Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	02/28/2020 09:37 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124720	-1	1.66	124832	1.68
Blue	F	SSC	125000	124049	-1	1.65	124843	1.60
Blue	E	FITC	15892	15400	-4	2.76	334	20.54
Blue	D	PE	29999	29441	-2	1.93	642	15.06
Blue	B	PerCP-Cy5-5	43732	43360	-1	3.65	1165	20.47
Blue	A	PE-Cy7	30845	30836	-1	6.05	589	40.67
Red	C	APC	46112	45581	-2	2.47	1609	12.38
Red	A	APC-Cy7	30458	29913	-2	2.36	792	12.02
Violet	B	V450	7918	7484	-6	4.53	419	13.41
Violet	A	V500	32171	30430	-6	4.27	707	10.26

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17528	7.98	622	1	N/A	N/A	Pass
Blue	F	SSC	56538	1.21	561	2	N/A	N/A	Pass
Blue	E	FITC	62	62.06	543	0	0.0183	66	Pass
Blue	D	PE	136	47.32	549	1	0.1371	183	Pass
Blue	B	PerCP-Cy5-5	214	50.09	658	2	0.0089	54	Pass
Blue	A	PE-Cy7	110	101.44	701	3	0.0110	19	Pass
Red	C	APC	384	25.70	588	4	0.0232	132	Pass
Red	A	APC-Cy7	173	29.45	560	4	0.0056	1182	Pass
Violet	B	V450	64	57.02	460	2	0.0434	1463	Pass
Violet	A	V500	105	30.77	476	2	0.0240	390	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.74	-32.00	1.00
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.45
Red	16.53	13.60 - 20.40	N/A	N/A	29.18	29.99	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 11007

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments